

## INDEX TO VOLUME 82

### A. INDEX OF PAPERS BY AUTHOR AND BY TITLE

- Bridgman, P. W., *The Effect of Pressure on Several Properties of the Alloys of Bismuth-Tin and of Bismuth-Cadmium*, 101
- Bridgman, P. W., *Further Measurements of the Effect of Pressure on the Electrical Resistance of Germanium*, 71
- Bridgman, P. W., *Miscellaneous Measurements of the Effect of Pressure on Electrical Resistance*, 83
- Bridgman, P. W., *Reflections on Thermodynamics*, 301
- Brown, Sanborn C., *Count Rumford — Physicist and Technologist*, 266
- Consideration of the Neurophysiological Mechanisms of Speech and Some Educational Consequences*, 201
- Count Rumford — Physicist and Technologist*, 266
- Debye, Peter, *The Scientific Work of Enrico Fermi*, 290
- Deutsch, Martin, *Positronium*, 331
- Effect of Pressure on Several Properties of the Alloys of Bismuth-Tin and of Bismuth-Cadmium*, 101
- Egerton, Sir Alfred, *The Management of Flame*, 310
- Excited Hydrogen Atoms*, 344
- Fermi, Enrico, *Summary of Communication on Meson Physics*, 350
- Fermi, Enrico, *The Scientific Work of*, 290
- Further Measurements of the Effect of Pressure on the Electrical Resistance of Germanium*, 71
- Gorter, C. J., *Temperatures Below One Degree Kelvin*, 157
- Helium and the Range of Stability of the Solid State*, 319
- Kirkwood, John G., *The Scientific Work of Lars Onsager*, 298
- Lamb, W. E., Jr., *Excited Hydrogen Atoms*, 344
- Lamb, W. E., Jr., *The Scientific Work of*, 294
- Line Spectra in Radio Astronomy*, 347
- Management of Flame*, 310
- Miscellaneous Measurements of the Effect of Pressure on Electrical Resistance*, 83
- Nuclear Spectroscopy*, 355
- Onsager, Lars, *The Scientific Work of*, 298
- Oppenheimer, J. R., *Summary of Communication on Recent Progress in the Understanding of Nuclear Forces*, 352
- Penfield, Wilder, *A Consideration of the Neurophysiological Mechanisms of Speech and Some Educational Consequences*, 201
- Phase Transitions in Atomic Nuclei*, 360
- Positronium*, 331
- Purcell, E. M., *Line Spectra in Radio Astronomy*, 347
- Ramsey, Norman F., *The Scientific Work of Willis E. Lamb*, 294
- Reflections on Thermodynamics*, 301
- Rumford Bicentennial*, 253
- Rumford, Count, 266
- Rumford Medalists*, 226, 240, 290, 294, 298
- Scientific Work of Enrico Fermi*, 290
- Scientific Work of Lars Onsager*, 298
- Scientific Work of Willis E. Lamb*, 294
- Selove, Walter, *Summary of Communication by J. Robert Oppenheimer, on Recent Progress in the Understanding of Nuclear Forces*, 352
- Selove, Walter, *Summary of Communication by Enrico Fermi, on Meson Physics*, 350
- Shapley, Harlow, *The Rumford Bicentennial*, 253

## INDEX TO VOLUME 82

### A. INDEX OF PAPERS BY AUTHOR AND BY TITLE

- Bridgman, P. W., *The Effect of Pressure on Several Properties of the Alloys of Bismuth-Tin and of Bismuth-Cadmium*, 101
- Bridgman, P. W., *Further Measurements of the Effect of Pressure on the Electrical Resistance of Germanium*, 71
- Bridgman, P. W., *Miscellaneous Measurements of the Effect of Pressure on Electrical Resistance*, 83
- Bridgman, P. W., *Reflections on Thermodynamics*, 301
- Brown, Sanborn C., *Count Rumford — Physicist and Technologist*, 266
- Consideration of the Neurophysiological Mechanisms of Speech and Some Educational Consequences*, 201
- Count Rumford — Physicist and Technologist*, 266
- Debye, Peter, *The Scientific Work of Enrico Fermi*, 290
- Deutsch, Martin, *Positronium*, 331
- Effect of Pressure on Several Properties of the Alloys of Bismuth-Tin and of Bismuth-Cadmium*, 101
- Egerton, Sir Alfred, *The Management of Flame*, 310
- Excited Hydrogen Atoms*, 344
- Fermi, Enrico, *Summary of Communication on Meson Physics*, 350
- Fermi, Enrico, *The Scientific Work of*, 290
- Further Measurements of the Effect of Pressure on the Electrical Resistance of Germanium*, 71
- Gorter, C. J., *Temperatures Below One Degree Kelvin*, 157
- Helium and the Range of Stability of the Solid State*, 319
- Kirkwood, John G., *The Scientific Work of Lars Onsager*, 298
- Lamb, W. E., Jr., *Excited Hydrogen Atoms*, 344
- Lamb, W. E., Jr., *The Scientific Work of*, 294
- Line Spectra in Radio Astronomy*, 347
- Management of Flame*, 310
- Miscellaneous Measurements of the Effect of Pressure on Electrical Resistance*, 83
- Nuclear Spectroscopy*, 355
- Onsager, Lars, *The Scientific Work of*, 298
- Oppenheimer, J. R., *Summary of Communication on Recent Progress in the Understanding of Nuclear Forces*, 352
- Penfield, Wilder, *A Consideration of the Neurophysiological Mechanisms of Speech and Some Educational Consequences*, 201
- Phase Transitions in Atomic Nuclei*, 360
- Positronium*, 331
- Purcell, E. M., *Line Spectra in Radio Astronomy*, 347
- Ramsey, Norman F., *The Scientific Work of Willis E. Lamb*, 294
- Reflections on Thermodynamics*, 301
- Rumford Bicentennial*, 253
- Rumford, Count, 266
- Rumford Medalists*, 226, 240, 290, 294, 298
- Scientific Work of Enrico Fermi*, 290
- Scientific Work of Lars Onsager*, 298
- Scientific Work of Willis E. Lamb*, 294
- Selove, Walter, *Summary of Communication by J. Robert Oppenheimer, on Recent Progress in the Understanding of Nuclear Forces*, 352
- Selove, Walter, *Summary of Communication by Enrico Fermi, on Meson Physics*, 350
- Shapley, Harlow, *The Rumford Bicentennial*, 253

- Siegbahn, Manne, *Nuclear Spectroscopy*, 355
- Simon, Franz E., *Helium and the Range of Stability of the Solid State*, 319
- Summary of Communication by J. Robert Oppenheimer, on Recent Progress in the Understanding of Nuclear Forces*, 352
- Summary of Communication by Enrico Fermi, on Meson Physics*, 350
- Supreme Court and the General Will*, 167
- Sutherland, Arthur E., *The Supreme Court and the General Will*, 167
- Temperatures Below One Degree Kelvin*, 157
- Thompson, Benjamin, *see* Rumford, 266
- Weisskopf, V. F., *Phase Transitions in Atomic Nuclei*, 360

## B. INDEX TO AFFAIRS OF THE AMERICAN ACADEMY OF ARTS AND SCIENCES

- Alphabetical index to Lists of Members*, 37
- Annual meeting, 226
- Appropriations, 226
- Assessment, annual, 226
- Charter of Incorporation, 67
- Classification of members, 7, 51
- Committees, lists of and members of:  
1952-1953, 3; 1953-1954, 217
- Amory Prize, 5, 65, 219, 223, Report of, 235
- Auditing, 4, 63, 218
- Conference on Climatic Variations, 6, 220
- Conference on Totalitarianism, 6, 220
- Finance, 4, 63, 218, Report of, *see* Treasurer, 229
- House, 4, 62, 218, Report of, 235
- International Relations, 6, 220
- Meetings, 4, 63, 218
- Membership, 4, 63, 218
- Nominating, 5, 65, 219
- Permanent Science Fund, 4, 64, 218, 234
- Grants, 237
- Report of, 237
- Planning and Development, 6
- Policy on Membership and Dues, 6, 220
- Publication, 4, 63, 218, Report of, 239
- Rumford, 5, 64, 219, 234
- Awards of 1953 Premiums, 226, 240
- Committees, Rumford, continued*
- Presentations of 1953 Medalists, 290, 294, 298
- Report of, 240
- Rumford Bicentennial, 6, 220
- School Science, 6, 220
- Science and Values, 6
- Unity of Science, 6, 220
- Warren, 5, 64, 219, 234, Report of, 241
- Council, 3, 61, 217
- Elections
- Fellows, 244
- Foreign Honorary Members, 247
- Officers and Committees, 243
- Exhibits, 236
- Fellows, list of, 7
- Deaths, 228
- Elected, 244
- Introductions (Indicated in Records of Meetings), 221-227
- Resignations, 228
- Transfer of Status, 228
- Foreign Honorary Members, list of, 32
- Deaths, 228
- Elected, 247
- Funds, description of, 233
- see also* under respective committees
- Introductions, *see* Fellows, Introductions
- List of the Fellows and Foreign Honorary Members*, 7
- Meetings, records of, 221

- Members, alphabetical index, 37  
  Classification of, 51  
  Report of Secretary on, 228  
  *see also*: Fellows, Foreign Honorary Members
- Officers and Committees: 1952-1953, 3; 1953-1954, 217  
  Elected May 13, 1953, 242
- Publications, *see* Committee on Publication, 239
- Records of Meetings*, 221
- Reports, 228, *see under* Annual Meeting, or respective officers, committees, etc.
- Rumford Bicentennial*, 225, 253
- Rumford Committee, *see* Committees, Rumford
- Rumford Premiums of 1953, 226, 240, 260, 294, 298
- Statutes, 50  
  Amendments of, 221, 222, 223, 224
- Treasurer, report of, 229

*end*

